

## Refine Search

### Search Results -

Terms	Documents
L5 and (560/\$ or 562/\$)	12

**Database:**  
US Pre-Grant Publication Full-Text Database  
US Patents Full-Text Database  
US OCR Full-Text Database  
EPO Abstracts Database  
JPO Abstracts Database  
Derwent World Patents Index  
IBM Technical Disclosure Bulletins

**Search:**

L6

Refine Search

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### Search History

**DATE:** Thursday, August 26, 2004 [Printable Copy](#) [Create Case](#)

**Set Name** **Query**  
side by side

**Hit Count** **Set Name**  
result set

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ

<u>L6</u>	L5 and (560/\$ or 562/\$)	12	<u>L6</u>
<u>L5</u>	L4 and alkane and oxygen	64	<u>L5</u>
<u>L4</u>	L3 and oxid\$6	130	<u>L4</u>
<u>L3</u>	L2 and (alkyl acetate or ethyl acetate or vinyl acetate or acetic acid)	134	<u>L3</u>
<u>L2</u>	L1 and alkene and carboxylic acid	159	<u>L2</u>
<u>L1</u>	alkyl carboxylate or alkenyl carboxylate	2939	<u>L1</u>

END OF SEARCH HISTORY

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**Search Results - Record(s) 1 through 10 of 12 returned.**

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1. Document ID: US 20040116633 A1

**Using default format because multiple data bases are involved.**

L6: Entry 1 of 12

File: PGPB

Jun 17, 2004

PGPUB-DOCUMENT-NUMBER: 20040116633

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040116633 A1

TITLE: Ring-opened azlactone initiators for atom transfer radical polymerization

PUBLICATION-DATE: June 17, 2004

**INVENTOR-INFORMATION:**

NAME	CITY	STATE	COUNTRY	RULE-47
Fansler, Duane D.	Dresser	WI	US	
Lewandowski, Kevin M.	Inver Grove Heights	MN	US	
Gaddam, Babu N.	Woodbury	MN	US	
Heilmann, Steven M.	Afton	MN	US	
Krepksi, Larry R.	White Bear Lake	MN	US	
Roscoe, Stephen B.	Saint Paul	MN	US	
Wendland, Michael S.	North Saint Paul	MN	US	

US-CL-CURRENT: 526/217; 546/314, 548/530, 558/234, 560/25

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">Claims</a>	<a href="#">KIMC</a>	<a href="#">Drawn De</a>
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2. Document ID: US 20030149295 A1

L6: Entry 2 of 12

File: PGPB

Aug 7, 2003

PGPUB-DOCUMENT-NUMBER: 20030149295

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030149295 A1

TITLE: Oxidation process for the production of alkenes and carboxylic acids

PUBLICATION-DATE: August 7, 2003

**INVENTOR-INFORMATION:**

NAME	CITY	STATE	COUNTRY	RULE-47
Ellis, Brian	Lower Sunbury		GB	

Roberts, Mark Stephen      Beverley      GB

US-CL-CURRENT: 560/241.1; 562/544

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KIMC](#) | [Drawn De](#)

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3. Document ID: US 20020099239 A1

L6: Entry 3 of 12

File: PGPB

Jul 25, 2002

PGPUB-DOCUMENT-NUMBER: 20020099239

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020099239 A1

TITLE: Oxidation process for the production of alkenes and carboxylic acids

PUBLICATION-DATE: July 25, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ellis, Brian	Lower Sunbury		GB	
Roberts, Mark Stephen	Beverley		GB	

US-CL-CURRENT: 560/241.1; 562/549

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4. Document ID: US 20020082445 A1

L6: Entry 4 of 12

File: PGPB

Jun 27, 2002

PGPUB-DOCUMENT-NUMBER: 20020082445

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020082445 A1

TITLE: Oxidation process for the production of alkenes and carboxylic acids

PUBLICATION-DATE: June 27, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ellis, Brian	Lower Sunbury		GB	
Lucy, Andrew Richard	Brough		GB	
Roberts, Mark Stephen	Beverley		GB	

US-CL-CURRENT: 560/241.1; 562/542

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5. Document ID: US 6727380 B2

L6: Entry 5 of 12

File: USPT

Apr 27, 2004

US-PAT-NO: 6727380

DOCUMENT-IDENTIFIER: US 6727380 B2

TITLE: Oxidation process for the production of alkenes and carboxylic acids[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sentences](#) | [Attachments](#) | [Claims](#) | [KOMC](#) | [Draw. De](#) 6. Document ID: US 6646102 B2

L6: Entry 6 of 12

File: USPT

Nov 11, 2003

US-PAT-NO: 6646102

DOCUMENT-IDENTIFIER: US 6646102 B2

TITLE: Process for manufacturing an alpha-dihydroxy derivative and epoxy resins prepared therefrom

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sentences](#) | [Attachments](#) | [Claims](#) | [KOMC](#) | [Draw. De](#) 7. Document ID: US 6548697 B1

L6: Entry 7 of 12

File: USPT

Apr 15, 2003

US-PAT-NO: 6548697

DOCUMENT-IDENTIFIER: US 6548697 B1

TITLE: Oxidation process for the production of alkenes and carboxylic acids[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sentences](#) | [Attachments](#) | [Claims](#) | [KOMC](#) | [Draw. De](#) 8. Document ID: US 6476261 B2

L6: Entry 8 of 12

File: USPT

Nov 5, 2002

US-PAT-NO: 6476261

DOCUMENT-IDENTIFIER: US 6476261 B2

TITLE: Oxidation process for the production of alkenes and carboxylic acids[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sentences](#) | [Attachments](#) | [Claims](#) | [KOMC](#) | [Draw. De](#) 9. Document ID: US 5733342 A

L6: Entry 9 of 12

File: USPT

Mar 31, 1998

US-PAT-NO: 5733342

DOCUMENT-IDENTIFIER: US 5733342 A

TITLE: Hydroxamic acids and hydroxamic acid ethers, and the use thereof as complexing agents

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Description](#) [Attachments](#) [Claims](#) [KOMC](#) [Draw. Ds](#)

10. Document ID: US 3855280 A

L6: Entry 10 of 12

File: USPT

Dec 17, 1974

US-PAT-NO: 3855280

DOCUMENT-IDENTIFIER: US 3855280 A

**\*\* See image for Certificate of Correction \*\***

TITLE: PROCESS FOR PRODUCING AN ALKENYL ALKANOATE FROM AN OLEFIN AND A CARBOXYLIC ACID

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Description](#) [Attachments](#) [Claims](#) [KOMC](#) [Draw. Ds](#)

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Terms	Documents
L5 and (560/\$ or 562/\$)	12

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11. Document ID: US 3644475 A

**Using default format because multiple data bases are involved.**

L6: Entry 11 of 12

File: USOC

Feb 22, 1972

US-PAT-NO: 3644475

DOCUMENT-IDENTIFIER: US 3644475 A

TITLE: PRODUCTION OF ADIPONITRILE

DATE-ISSUED: February 22, 1972

INVENTOR-NAME: ONSAGER OLAV T

US-CL-CURRENT: 558/359; 560/190, 560/81, 562/491, 562/496, 562/602, 564/459

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Search Log</a>	<a href="#">View Log</a>	<a href="#">Claims</a>	<a href="#">KIMC</a>	<a href="#">Drawn D</a>
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12. Document ID: US 3394170 A

L6: Entry 12 of 12

File: USOC

Jul 23, 1968

US-PAT-NO: 3394170

DOCUMENT-IDENTIFIER: US 3394170 A

TITLE: Production of polyacyloxy alkadienes, alkenes, and alkanes

DATE-ISSUED: July 23, 1968

INVENTOR-NAME: KOHLL CHARLES F

US-CL-CURRENT: 560/262; 502/22, 554/163, 560/122, 560/187, 560/230, 560/263,  
560/89, 568/484, 568/494, 568/852

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Search Log</a>	<a href="#">View Log</a>	<a href="#">Claims</a>	<a href="#">KIMC</a>	<a href="#">Drawn D</a>
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Terms	Documents
L5 and (560/\$ or 562/\$)	12